# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	10/30/2014 10/30/2014	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ma	Location *	N/A			
Catagony	Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Operations & Maintenance				0		0	
пеш	Manuals				٥		0	
DWR ID	DWR_RD0	150_01_s _ 201	13_4	'		'		
	Action/Comments							
Inspector (	Inspector Comments: This LMA has the updated O&M manuals for their							

No Photos

Rating \*\* Issue No. LM Start 0.00 Α 5 Location \* N/A 0.00 Issue Type + Ma LM End Earthen Levee GPS Latitude/Longitude Category Start End **Emergency Supplies &** Item Equipment DWR ID DWR RD0150 01 s 2013 5 Action/Comments

No Photos

Inspector Comments: This LMA has adequate amount of flood fighting materials in a centralized location.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Preparedness & Training				0		0
item					0		0
DWR ID	DWR_RD0	150_01_s _ 201	3_6				
		nts					

No Photos

Inspector Comments: The crew of this LMA had flood fighting training from DWR.

LS : Land Side WS : Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	10/30/2014 10/30/2014	Pavel Kazi

LM Start	0.20	Rating **	A/W	Issue No.		3	
LM End	0.20	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee	е		atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetation			38.3314	02 °	38.331402	0
item				-121.5803	58 °	-121.580358	0
DWR ID	DWR_RD0150_01_s _ 2012_3					'	
	Action/Comments						

Elderberries are blocking visibility and flood fight capability.



Elderberry bush was found on the landside of the levee. The picture was taken from the crown looking downstream.

Photo 1 of 1: FA\_2014\_RD0150\_15\_1\_20141104\_00004.jpg

LM Start	0.25	Rating **	Α	Issue No.	Issue No. 1		
LM End	0.51	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Vegetation			38.3309	03 °	38.328212	0
пеш				-121.5798	48 °	-121.576708	0
DWR ID	DWR_RD0	150_01_f _ 201	4_1				
	Action/Comments						

Control annual grass and weeds on the levee slopes and easements.



View of the waterside slope of the levee looking upstream.

LM Start	0.44	Rating **	М	Issue No.		2	
LM End	0.49	Issue Type +	Ma	Location *	WS		
Category	Category Supplemental					le/Longitude	
Category				Start		End	
Item	USACE Erosion Survey			38.32809	1 °	38.328606 °	
пеш				-121.57664	0 °	-121.577472 °	
DWR ID	DWR_RD0	150_01_f _ 201	4_2				
	Action/Comments						

Inspector Comments: 2013: Old toe repair unraveling. Bridge at upstream end of site. [2013 Site ID: STR\_28-4\_R]



USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Slough	Left	0.52	10/30/2014 10/30/2014	Pavel Kazi

LM Start	0.44	Rating **	М	Issue No.		2 (cont)	
LM End	0.49	Issue Type +	Ma	Location *	WS		
Category			GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	USACE Erosion Survey			38.3280	91 °	38.328606 °	
пеш				-121.5766	40 °	-121.577472 °	
DWR ID	DWR_RD0	150_01_f _ 201	4_2				
Action/Comments							
Inspector	Comments	: 2013: Old to	e repair	unraveling.	Brio	lge at	

upstream end of site. [2013 Site ID: STR\_28-4\_R]



USACE 2013 Photo #2

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	<b>0.22</b> Rating ** A		Issue No.		47		
LM End	0.22	Issue Type +	Ma	Location *		WS	
Category	Earthen L		GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.3306	40 °	38.330640	0
item				-121.5739	57 °	-121.573957	0
DWR ID	DWR_RD0150_02_f _ 2014_47						
	Action/Comments						

Control annual grass and weeds on the levee slopes and easements.

# Photo 1 of 1 : FA\_2014\_RD0150\_16\_47\_20141104\_00071.jpg



View of the waterside slope of the levee looking upstream.

Photo 1 of 2: FA\_2014\_RD0150\_16\_6\_20141021\_00002.jpg

LM Start	0.40	Rating **	М	Issue No.		6	
LM End	0.40	Issue Type +	Ma	Location *	WS		
Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Slope Sta	bility		38.332717 °		38.332717 °	
пеш					83 °	-121.572083 °	
DWR ID	DWR_RD0150_02_s _ 2012_6					·	
	Action/Comments						

Repair the levee slope damaged by foot traffic and prevent access where possible.

		_			
6.8.3		1000	ALCOHOLD VALUE AND ADDRESS OF THE PARTY OF T	-	
N - 15 White				Concession of the last	
The second second	Alle Alle	<b>原本</b> 3	Par and		
	The second second	1000			
SULFACE OF				All Davis	
	A Maria	1800		628600	TO A RESIDENCE AND A
		11			
1	/	100			William
					TANK
					2012 March 1966
(B) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A		二. 图 200 图			
10000					
		THE REAL PROPERTY.		STORE OF THE PARTY	
			一种 一种 医		ALC: NO.
- 1 Sept. 1			SAME PROPERTY.	THE RESERVE THE PERSON NAMED IN	
			<b>这是一个</b>		
	The second second			AND THE STREET	
			The second	THE SHEET	THE STATE OF THE S
		KIND OF STREET			
				<b>国际公司</b>	
			THE REAL PROPERTY OF		A STATE OF THE PARTY OF THE PAR
PRESTA A		The second	40000000000000000000000000000000000000	THE REAL PROPERTY.	
	A CONTRACTOR		THE RESERVE	The second second	Market State of the State of th
	A THE COURSE OF	2000年2000年20		A Part of the last	The same of the sa
				n/a	/ nea / nont //
<b>新发发</b>		<b>西斯特</b>	STATE OF THE PARTY		A MONITOR BALLER
			Charles Ale	CALLER PROPERTY	The state of

Updated photo of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

 LM Start
 0.40
 Rating \*\*
 M
 Issue No.
 6 (cont)

 LM End
 0.40
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 2: FA\_2014\_RD0150\_16\_6\_20141021\_00003.jpg



Slope instability was found on the waterside of the levee looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

		D (' ++					
LM Start	0.70	Rating **	М	Issue No.		10	
LM End	0.70	Issue Type +	Ma	Location *	WS		
Category	Earthen L	.evee		GPS L	atitud	le/Longitude	
Category				Start		End	
Encroachments			38.336228 °		38.336228 °		
пеш				-121.568332 °		-121.568332 °	
DWR ID	DWR_RD0	150_02_s _ 201	13_10				
		Action/	Comme	nts			
Debris							

Photo 1 of 1:	FA_2014_RD0150	0_16_10_20141	1021_00006.jpg



Debris was found on the waterside slope of the levee looking downstream during Spring 2013 inspection.

LM Start	1.00	Rating **	М	Issue No.		18	
LM End	1.00	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
ltem Encroachments				38.3392	68 °	38.339268 °	
iteiii				-121.564839 °		-121.564839 °	
DWR ID	D DWR_RD0150_02_s _ 2013_18						
		Action/	Commo	ntc			

Tree or limb

LM Start

LM End

1.00

1.00

Inspector Comments: Tree trunk was found on the waterside toe of the levee.

Issue No.

Location \*

18 (cont)

WS

Rating \*\*

Issue Type +

Photo 1 of 2 : FA_2014_RD0150_16_18_20141021_00012.jpg	J



Updated picture of the tree trunk on the waterside toe of the levee looking upstream during spring 2014 inspection.

Photo 2 of 2: FA\_2014\_RD0150\_16\_18\_20141021\_00013.jpg



A tree trunk was found on the waterside toe of the levee looking upstream during spring 2013 inspection.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	1.16	Rating **	N	Issue No.	8		
LM End	1.16	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS Latitude/Longitude				
Category						End	
Item	Trim / Thi	n Trees		38.340864 °		38.340864	
пеш				-121.562915 °		-121.562915	
DWR ID	DWR_RD0150_02_s _ 2012_8						
Action/Comments							

Tree stumps.



View of a tree stump on the landward slope.

LM Start	1.92	Rating **	М	Issue No.	50		
LM End	1.92	Issue Type +	Ма	Location *	WS		
Earthen Levee			GPS Latitude/Longitude				
Category					Start		
Encroachments			38.346323 °		38.346323	0	
Item				-121.551568 °		-121.551568	0
DWR ID	DWR_RD0150_02_f _ 2014_50						
Action/Comments							

Pipe

Inspector Comments: An abandoned pipe was found on the waterside of the levee.



A pipe was found on the waterside toe of the levee looking upstream.

LM Start	1.96	Rating **	М	Issue No.		52
LM End	1.96	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory						End
Item	Slope Stability			38.34646	62 °	38.346462 °
пеш					78 °	-121.550978 °
DWR ID	DWR_RD0150_02_f _ 2014_52					

#### Action/Comments

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comments: Rutting caused by vehicles.



A slope instability was found on the waterside slope of the levee looking upstream.

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable
A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	2.10	Rating **	С	Issue No.	53		
LM End	2.10	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Encroach	ments		38.34687	3°	38.346873 °	
пеш				-121.54851	8 °	-121.548518 °	
DWR ID	DWR_RD0	150_02_f _ 201	4_53				
Action/Comments							
Troc or line	h						

Tree or limb

No Photos

LM Start	2.80	Rating **	N	Issue No.		14
LM End	2.80	Issue Type +	Ма	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End
Item	Trim / Thin Trees			38.3500	41 °	38.350041 °
item				-121.5368	53 °	-121.536853 °
DWR ID	D DWR_RD0150_02_s _ 2012_14					
		Action/	Commo	ntc		

Tree stumps.

#### Photo 1 of 1: FA\_2014\_RD0150\_16\_14\_20141021\_00009.jpg



View of a tree stump on the landward slope.

LM Start	3.29	Rating **	М	Issue No. 961		961
LM End	3.29	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Erosion /	Bank Caving		38.35532	21 °	38.355321 °
пеш				-121.53090	)2 °	-121.530902 °
DWR ID	DWR_RD0	150_02_s _ 201	2_961			

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.





View of the erosion on the waterside slope of the levee near the pipe looking downstream. This picture was taken during the fall 2013 inspection.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence N/A: Not Applicable LS : Land Side Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	3.29	Rating **	М	Issue No.	961 (cont)		
LM End	3.29	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Erosion /	Bank Caving		38.3553	21 °	38.355321 °	
пеш				-121.5309	02 °	-121.530902 °	
DWR ID	DWR_RD0150_02_s _ 2012_961						
Action/Comments							

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.



View of the erosion on the waterside slope of the levee looking upstream during spring 2013 inspection.

# LM Start 3.29 Rating \*\* M Issue No. 961 (cont) LM End 3.29 Issue Type + Ma Location \* WS

Photo 3 of 6: FA\_2014\_RD0150\_16\_961\_20141021\_00048.jpg



View of erosion and damaged pipe and abandoned boat on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	3.29	Rating **	М	Issue No. 961 (cont)			
LM End	3.29	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.3553	21 °	38.355321 °	
item				-121.5309	02 °	-121.530902 °	
DWR ID	DWR_RD0150_02_s _ 2012_961						
Action/Comments							

Schedule repair of erosion site prior to the next inspection.
Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.

LM Start	3.29	Rating **	М	Issue No.	961 (cont)
LM End	3.29	Issue Type +	Ma	Location *	WS



View of the erosion site, and broken pump support along with a boat on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee during fall 2011 inspection.

#### Photo 5 of 6: FA\_2014\_RD0150\_16\_961\_20141021\_00045.jpg



View of erosion on the waterward slope looking upstream. Depressions into the slope can be seen in several places.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	3.29	Rating **	М	Issue No.		961 (cont)	
LM End	3.29	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	Erosion / Bank Caving			38.3553	21 °	38.355321	0
item				-121.53090	02 °	-121.530902	0
DWR ID	DWR_RD0	150_02_s _ 201	2_961		,		

#### Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Depressions into the waterward slope can be seen along the waterward slope at this site. Also note the damaged pump support, pump, and pipe just upstream of the site; they may contribute to the erosion in a high water event and should be removed.

### Photo 6 of 6 : FA\_2014\_RD0150\_16\_961\_20141021\_00046.jpg



Additional view of erosion on the waterward slope looking upstream. Note the damaged pump support, pump, and pipe just upstream of the site.

LM Start	3.35	Rating **	A/W	Issue No.		17	
LM End	3.35	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Itom	ltem Vegetation			38.355979°		38.355979 °	
item				-121.530288 °		-121.530288 °	
DWR ID DWR_RD0150_02_s _ 2012_17							
		A otion /	Commo	nto			

Action/Comments

Elderberries are blocking visibility and flood fight capability.

No Photos

LM Start	4.57	Rating **	М	Issue No.		1	
LM End	4.57	Issue Type +	Ма	Location *	WS		
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	USACE E	rosion Survey	′	38.37092	8°	38.371909 °	
пеш				-121.52306	9°	-121.523316 °	
DWR ID	DWR_RD0	150_02_f _ 201	4_1				

Action/Comments

Inspector Comments: 1999 - Downstream end (300 ft) repaired with rock. 2010 - Toe erosion, some vertical slopes lower down. 2011 - Failing rock repair. Slumping of the lower bank. Minor new erosion. 2013: Tree at upstream end has exposed roots. Some new erosion. [2013 Site ID: SAC\_38-5\_R]

No Photos

\* Location
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\* Rating
A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy
C : Corrected Ob : Design & System Obsolescence
U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	4.76	Rating **	М	Issue No.	28			
LM End	4.76	Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Vegetation			38.373485 °		38.373485 °		
пеш				-121.523963 °		-121.523963 °		
DWR ID DWR_RD0150_02_s _ 2012_28								
	Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.



Century plant on waterward slope at LM 4.76

LM Start	4.98	Rating **	С	Issue No.	39				
LM End	4.98	Issue Type +	Ma	Location *	LS				
Category Earthen Levee				GPS Latitude/Longitude					
Calegory			Start		End				
Item	Trim / Thi	n Trees		38.3763	92 °	38.376392 °			
пеш				-121.525429 °		° -121.525429			
DWR ID DWR_RD0150_02_s _ 2012_39									
	Action/Comments								

Tree stumps.

No Photos

LM Start	5.14	Rating **	A/W	Issue No.	40		Issue No. 40		
LM End	7.95	Issue Type +	Ma	Location *	WS				
Category	Earthen L	GPS Latitude/Longitude							
Calegory	ategory		Start		End				
Item	Vegetatio	Vegetation		38.3786	74 °	38.414029	0		
пеш				-121.525423 °		-121.522991	0		
DWR ID	DWR_RD0	150_02_s _ 201	2_40						
		Action/	Comme	nts					

Environmental Requirements.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

5.33	Rating **	С	Issue No.		976	
5.33	Issue Type +	Ма	Location *	WS		
Earthen Levee			GPS Latitude/Longitude			
			Start		End	
Slope Stability			38.38112	6 °	38.381126 °	
			-121.524208 °		-121.524208 °	
DWR_RD0	150_02_s _ 201	2_976				
	5.33 Earthen L Slope Sta	5.33 Issue Type + Earthen Levee Slope Stability	5.33 Issue Type + Ma Earthen Levee	5.33         Issue Type +         Ma         Location *           Earthen Levee         GPS Lat           Start         Start           Slope Stability         38.38112           -121.52420	5.33   Issue Type +   Ma   Location *    Earthen Levee   GPS Latitud	

Action/Comments

Repair slope instability.

Inspector Comments: Cavity located under rock rip rap on waterward slope at the shoulder over an irrigation pipe.

No Photos

LM Start	5.33	Rating **	М	Issue No.		975		
LM End	5.33	Issue Type +	Ma	Location *	WS			
Category	Catagory Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Itom	Item Slope Stability			38.38112	26 °	38.381126 °		
item				-121.52420	)7 °	-121.524207 °		
DWR ID	DWR_RD0	150_02_s _ 201	13_975					

### Action/Comments

Repair slope instability.

Inspector Comments: Depression in the landward slope at the shoulder over an irrigation pipe.

Photo 1 of 2 : FA_2014_RD0150_16_975_20141021_00051.jpg
The second second

View of minor slope instability on the waterside slope of the levee looking downstream during fall 2013 inspection.

 LM Start
 5.33
 Rating \*\*
 M
 Issue No.
 975 (cont)

 LM End
 5.33
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 2 : FA\_2014\_RD0150\_16\_975\_20141021\_00052.jpg



View of a minor depression along the landward slope of the levee over a pipe penetration looking downstream.

\*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\* Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

M : Molimally Acceptable C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Right	7.81	10/31/2014 10/31/2014	Pavel Kazi

LM Start	5.41	Rating **	М	Issue No. 54			
LM End	5.41	Issue Type +	Ма	Location *	ion * WS		
Catagonia Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Slope Sta	bility		38.3820	72 °	38.382072	0
item				-121.5232	20 °	-121.523220	0
DWR ID DWR_RD0150_02_f _ 2014_54							
		Action/	Commo	nte			

Repair the levee slope damaged by foot traffic and prevent access where possible.



View of a slope instability on the waterside of the levee looking towards the toe.

Photo 1 of 1: FA\_2014\_RD0150\_16\_55\_20141104\_00077.jpg

LM Start	6.61	Rating **	М	Issue No.		55	
LM End	6.61	Issue Type +	Ma	Ma Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		38.3965	18 °	38.396518 °	
item			-121.5145	30°	-121.514530 °		
DWR ID DWR_RD0150_02_f _ 2014_55							
			_				

#### Action/Comments

Pipe

Inspector Comments: The pipe gate needs to be covered on the waterside toe of the levee.

An open pipe valve was found without a cover on the waterside toe of the levee.

LM Ctt	7.34	Rating **	A/W	Issue No.		32		
LM Start	7.34	rtating	~/ V V	10000 140.	32			
LM End	7.34	Issue Type +	Ma	Location *		LS		
Category	Category Earthen Levee			GPS Latitude/Longitude				
Category				Start End				
Item	Vegetatio	n		38.4064	54 °	38.406454	0	
item				-121.5177	32 °	-121.517732	0	
DWR ID	WR ID DWR_RD0150_02_s _ 2012_32							
		Action/	Comme	nts				

Elderberries are blocking visibility and flood fight capability.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	0.11	Rating **	A/W	Issue No. 936				
LM End	0.11	Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Vegetatio	n		38.3342	33 °	38.334233 °		
item				-121.5834	14 °	-121.583414 °		
DWR ID	RID DWR_RD0150_03_s _ 2012_936							
	Action/Comments							

Elderberries are blocking visibility and flood fight capability.

# Photo 1 of 1 : FA\_2014\_RD0150\_17\_936\_20141021\_00104.jpg



View of elderberry bush within 20 feet of shoulder blocking visibility and access.

LM Start	0.50	Rating **	М	Issue No.	74		
LM End	0.50	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Animal Co	ontrol		38.3394	37 °	38.339437 °	
пеш				-121.5811	62 °	-121.581162 °	
DWR ID	DWR ID DWR_RD0150_03_f _ 2014_74						
		Action/	Comme	nts			

a radanta viaibla, but radant burrawa viaibla, na

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 1 of 1 : FA_2014_	_RD0150_17_74	20141104_0011	19.jpg
DWIN TO			
		18730/2014	
		<b>一种企业</b>	9

A rodent hole was found on the landside of the levee looking upstream.

LM Start	0.59	Rating **	М	Issue No.		54
LM End	0.59	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Animal Co	ontrol		38.3407	41 °	38.340741 °
item						-121.580797 °
DWR ID DWR_RD0150_03_f _ 2014_54						

### Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



View of an animal hole on the landside of the levee looking downstream.

\* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable
A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	0.92	Rating **	A/W	Issue No.	5		
LM End	0.95	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	egory			Start		End	
Item	Vegetatio	n		38.3452	93 °	38.345634	0
пеш				-121.5797	69 °	-121.579574	0
DWR ID DWR_RD0150_03_s _ 2012_5							
		Action/	Comme	nte			

#### , it is a second of the second

Elderberries are blocking visibility and flood fight capability.





View of elderberries on the landward slope blocking visibility and access.

LM Start	1.82	Rating **	М	Issue No. 50		50
LM End	1.82	Issue Type +	Ma	Location *		WS
Catagoria Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Erosion /	Bank Caving		38.353249 °		38.353249
item				-121.5728	48 °	-121.572848
DWR ID	DWR_RD0	R_RD0150_03_s _ 2012_50				
		Action/	Comme	nts		

Note and monitor erosion site.

Inspector Comments: Erosion appeared under the pipe.

Photo 1 of 2 : FA_2014_RD0150_17_50_20141021_00041.jpg
The second second
A CONTRACT OF THE PARTY OF THE
A STATE OF THE STA
"一个""多数是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个

Steps were dug next to the pipe and also erosion was found near the vicinity of the pipe on the waterside slope of the levee looking upstream during fall 2013 inspection.

 LM Start
 1.82
 Rating \*\*
 M
 Issue No.
 50 (cont)

 LM End
 1.82
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 2 : FA\_2014\_RD0150\_17\_50\_20141021\_00042.jpg



Erosion was found on the waterside slope of the levee near the vicinity of the pipe. The picture was taken from the crown looking downstream.

\* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\* Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

M : Minimally Acceptable CR : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	2.28	Rating **	М	Issue No.		75	
LM End	2.28	Issue Type + Ma		Location *		LS	
Category	evee	GPS Latitude/Longitude					
Calegory	gory					End	
Item	Vegetatio	Vegetation			11 °	38.353811	0
пеш				-121.5656	68 °	-121.565668	0
DWR ID DWR_RD0150_03_f _ 2014_75							

#### Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Newly planted tree was found on the landside slope of the levee.



A few tree was planted on the landside slope of the levee looking upstream.

LM Start	2.46	Rating **	С	Issue No.		53		
LM End	2.46	Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Category	Category					End		
Item	Animal Co	ontrol		38.3552	72 °	38.355272 °		
пеш				-121.5630	83 °	-121.563083 °		
DWR ID DWR_RD0150_03_s _ 2014_53								
Action/Comments								

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

							_
LM Start	2.60	Rating **	N	Issue No.		11	
LM End	2.60	Issue Type +	Ma	Location *	LS		
Category	GPS Latitude/Longitude						
Category				Start		End	
Item	Trim / Thi	n Trees		38.3568	53 °	38.356853	٥
пеш		-121.5615	65 °	-121.561565	٥		
DWR ID DWR_RD0150_03_s _ 2012_11							
		Action/	Comme	nts			

Tree stumps.



View of tree stumps on the landward slope.

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain Enforcement

\* Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	2.86	Rating **	М	Issue No.	ssue No. 35		
LM End	2.86	Issue Type +	Ма	Location *	WS		
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Erosion /	Bank Caving		38.3604	32 °	38.360432 °	
item				-121.5616	44 °	-121.561644 °	
DWR ID DWR_RD0150_03_s _ 2013_35							
		Action/	Comme	nts			

Schedule repair of erosion site prior to the next inspection.



Updated picture of the erosion on the waterside slope of the levee during spring 2014 inspection.

LM Start	2.86	Rating **	М	Issue No.	35 (cont)
LM End	2.86	Issue Type +	Ma	Location *	WS



Erosion was found on the waterside slope of the levee looking downstream during spring 2013 inspection.

LM Start	2.87	Rating **	N	Issue No.		17		
LM End	2.87	Issue Type +	Ma	Location *	WS			
Category	evee	GPS Latitude/Longitude						
Calegory	alegory					End		
Item	Trim / Thin Trees			38.36062	21 °	38.360621 °		
пеш				-121.56176	62 °	-121.561762 °		
DWR ID	DWR_RD0	150_03_s _ 201	12_17					
Action/Comments								
Tree stumps.								
•								



View of tree stumps on the waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	2.88	Rating **	М	Issue No.		72		
LM End	2.88	Issue Type +	Ma	Location *		CR		
Catagoria Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Itom		rface / Depres	ssions /	38.3607	37 °	38.360737 °		
Item Rutting .				-121.5618	14 °	-121.561814°		
DWR ID DWR_RD0150_03_s _ 2014_72								
	Action/Comments							

Add appropriate material and re-grade the levee to bring the crown above the design elevation.

hoto 1 of	1 : FA_201	4_RD0150	_17_72_20	)141021_	00074.jp
		1		-	
	1				
	16				
		No.			
				04/04/8	2014

A crown depression was found looking upstream.

LM Start	2.93	Rating **	М	Issue No.	76	
LM End	2.93	Issue Type +	Ma	Location *	WS	
Category	GPS La	atitud	le/Longitude			
Category				Start		End
Item	Slope Sta	bility		38.3613	75 °	38.361375
пеш				-121.5621	34 °	-121.562134
DWR ID DWR_RD0150_03_s _ 2012_76						
Action/Comments						

Repair slope instability.

Photo 1 of 2 : FA_201	4 RD0150	17 76 2	0141021	00076 ina
1 110t0 1 01 2 . 1 A_201	4_1\D0130	_17_70_2 20%	W741021_	_00070.jpg
经从额外				
	1614 L			100000
	(根)			S. W. S. A.
	TO SEE		<b>为</b> 检查	
			ane 256	
		Table La		43
		was so	335	* Com
	and the same			
<b>位于一个一个</b>	A TO A STATE OF			
	TXVVV			
		CONTRACTOR OF	Day Bridge	

Erosion was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

LM Start	2.93	Rating **	М	Issue No.	76 (cont)
LM End	2.93	Issue Type +	Ma	Location *	WS

Photo 2 of 2: FA\_2014\_RD0150\_17\_76\_20141021\_00077.jpg



Slope instability was found on the waterside of the levee. The picture was taken from the crown looking towards the toe of the levee.

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain Enforcement

\* Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	3.21 Rating ** N			Issue No.		20	
LM End	3.21	Issue Type +	Ma	Location *		WS	
Category	GPS La	atitud	le/Longitude				
Calegory			Start		End		
Item	Trim / Thi	n Trees		38.3636	58 °	38.363658	0
item			-121.5595	83 °	-121.559583	0	
DWR ID DWR_RD0150_03_s _ 2012_20							
Action/Comments							

Tree stumps.



View of tree stumps on the waterward slope.

LM Start	3.26	Rating **	М	Issue No.	lo. <b>77</b>		
LM End	3.26	Issue Type +	Ма	Location *	WS		
Category	evee	GPS La	titud	le/Longitude			
Calegory	Dategory					End	
Item	Animal Co	ontrol		38.3633	64 °	38.363364°	
пеш				-121.5586	82 °	-121.558682 °	
DWR ID DWR_RD0150_03_f _ 2014_77							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the waterside of the levee looking upstream.

LM Start	3.31	Rating **	М	Issue No.	91		
LM End	3.31	Issue Type +	Ma	Location *		CR	
Category	evee	GPS La	atitud	le/Longitude			
Calegory		Start		End			
Item		rface / Depres	ssions /	38.3631	01 °	38.363101 °	
item	Rutting			-121.5578	47 °	-121.557847 °	
DWR ID DWR_RD0150_03_f _ 2012_91							
Action/Comments							

Add appropriate gravel or road base. Grade and compact.



Updated picture of the crown depression on the access road looking upstream during fall 2014 inspection.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

1.84 = 1			M	Issue No.	91 (cont)		
LM End	3.31	Issue Type +	Ма	Location *		CR	
Category	evee	GPS La	titud	e/Longitude			
Calegory			Start		End		
Item	Crown Su	rface / Depres	ssions /	38.36310	)1 °	38.363101 °	
пеш	Rutting			-121.55784	47 °	-121.557847 °	
DWR ID DWR_RD0150_03_f _ 2012_91							
Action/Comments							

Add appropriate gravel or road base. Grade and compact.



Crown depression was found on the access road looking downstream.

LM Start	3.34	Rating **	С	Issue No.	70		
LM End	3.34	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Animal Co	ontrol		38.3630	15 °	38.363015 °	
пеш				-121.5573	25 °	-121.557325 °	
DWR ID DWR_RD0150_03_s _ 2012_70							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	3.34	Rating **	С	Issue No.		71	
LM End	3.34	Issue Type +	Ма	Location *		LS	
Category	Earthen L	.evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.3630	15 °	38.363015	0
пеш				-121.5573	25 °	-121.557325	0
DWR ID	DWR_RD0	150_03_s _ 201	2_71				
		Action/	Comme	nts			

Material

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

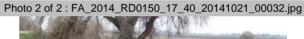
LM Start	3.37	Rating **	М	Issue No.		40	
LM End	3.37	Issue Type +	Ma	Location *	Location * W		
Catagonia Earthen Levee			GPS Latitude/Longitude				
Category		Start		End			
Item	Erosion / Bank Caving			38.3630	08 °	38.363008	•
item						-121.556751	0
DWR ID DWR_RD0150_03_s _ 2013_40							
Action/Comments							

Schedule repair of erosion site prior to the next inspection.



Updated picture of the erosion on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	3.37	Rating **	М	Issue No.	40 (cont)
LM End	3.37	Issue Type +	Ма	Location *	WS





Erosion was found on the waterside toe of the levee looking upstream during spring 2013 inspection.

LM Start	3.41	Rating **	N	Issue No.		27	
LM End	3.41	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory	Siy			Start		End	
Item	Trim / Thin Trees			38.3631	47 °	38.363147 °	
item				-121.5561	90 °	-121.556190 °	
DWR ID	DWR_RD0	150_03_s _ 201	2_27				
Action/Comments							
Tree stum	ps.						



View of tree stumps on the waterside slope looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	3.45	Rating **	M	Issue No.	114		
LM End	3.45	Issue Type +	Ma	Location *	WS		
Category	Earthen L	GPS La	atitud	le/Longitude			
Category	Category			Start		End	
Item	Encroachments			38.3635	40 °	38.363540°	
пеш				-121.5555	55 °	-121.555555 °	
DWR ID	DWR_RD0	150_03_f _ 201	3_114				
		Action/	Comme	nts			
Stairway							



View of steps that were dug on the waterside slope of the levee looking upstream.

LM Start	3.45	Rating **	U	Issue No.		115
LM End	3.45	Issue Type +	e + Ma Location			LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Erosion /	Bank Caving		38.3635	40 °	38.363540 °
пеш				-121.555554 °		-121.555554 °
DWR ID	DWR_RD0	150_03_f _ 201	3_115			
		A .: /	_			

#### Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion was found on the landside toe of the levee.

# Photo 1 of 1 : FA\_2014\_RD0150\_17\_115\_20141021\_00094.jpg



A drainage ditch with depth of 4 feet and width of 15 feet was found on the landside toe of the levee. The picture was taken from the landside slope looking upstream during the fall 2013 inspection.

LM Start	3.47	Rating **	М	Issue No.		98		
LM End	3.47	Issue Type +	Ма	Location *		a Location *		WS
Category	Earthen L	evee		GPS Lat	tuc	le/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.36380	3°	38.363803 °		
item				-121.55543	2°	-121.555432 °		
DWR ID	DWR_RD0	150_03_s _ 201	2_98					

### Action/Comments

Note and monitor erosion site.

Inspector Comments: Erosion was located on the waterside of the levee looking downstream.

### Photo 1 of 1 : FA\_2014\_RD0150\_17\_98\_20141021\_00092.jpg



Erosion was found on the waterside of the levee looking downstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	3.75	Rating **	A/W	Issue No.		927	
LM End	3.75	Issue Type +	Ma	Location * LS		LS	
Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Slope Stability				)5 °	38.367305 °	
item				-121.55498	34 °	-121.554984 °	
DWR ID DWR_RD0150_03_s _ 2012_927							
	Action/Comments						

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Photo 1 of 2 : FA_2014_RD0150_17_927	_20141021_00097.jpg
1	
	act also taken a
	9872172901

Slope instability possible due to vehicular traffic on the landside of the levee. The picture was taken from the crown looking upstream during Spring 2011 inspection.

LM Start	3.75	Rating **	A/W	Issue No.	927 (cont)
LM End	3.75	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0150\_17\_927\_20141021\_00098.jpg



Repair minor damage to levee slope along landward ramp at LM 3.75.

LM Start	3.85	Rating **	М	Issue No.	ie No. 116			
LM End	3.85	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Sta	bility		38.3675	35 °	38.367535	0	
пеш				-121.5528	15 °	-121.552815	0	
DWR ID	DWR_RD0150_03_f _ 2013_116							
		Action/	Comme	nte				

Repair slope instability.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	3.93	Rating **	М	Issue No. 117		117	
LM End	3.93	Issue Type +	Ма	Location *		CR	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item		rface / Depres	ssions /	38.3681	20 °	38.368120 °	
item	Rutting					-121.551522 °	
DWR ID	R ID DWR_RD0150_03_f _ 2013_117						
Action/Comments							

Add appropriate gravel or road base. Grade and compact.



Crown depression was found looking upstream during the fall 2013 inspection.

LM Start	3.95	Rating **	С	Issue No.		48	
LM End	3.95	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category	egory			Start		End	
ltem	Item			38.3681	18 °	38.368118 °	
item				-121.551509 °		° -121.551509°	
DWR ID	DWR_RD0	150_03_s _ 201	12_48				
		Action/	Comme	nts			
Debris							

No Photos

LM Start	4.35	Rating **	N	Issue No.	37	
LM End	4.35	Issue Type +	Ma	Location *	WS	
Category	Cotogon/ Earthen Levee			GPS Latitude/Longitude		
Calegory			Start		End	
Trim / Thin Trees			38.37331	9 °	38.373319°	
пеш				-121.55083	6°	-121.550836 °
DWR ID	DWR_RD0	150_03_s _ 201	12_37			
		Action/	Comme	nts		
Tree stumps.						



View of tree stumps on the waterward slope.

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

		5					
LM Start	4.46	Rating **	М	Issue No.		51	
LM End	4.46	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachments			38.3742	69 °	38.374269	
item				-121.5493	85 °	-121.549385	
DWR ID	DWR_RD0	150_03_s _ 201	12_51				
		Action/	Comme	nts			
Prunings							

LM Start	4.46	Rating **	M	Issue No.	51 (cont)
LM End	4 46	Issue Type +	Ma	Location *	LS



Remove pruning pile on landward slope at LM 4.46.

Photo 2 of 4: FA\_2014\_RD0150\_17\_51\_20141021\_00044.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	4.46	Rating **	М	Issue No.	51 (cont)
LM End	4.46	Issue Type +	Ma	Location *	LS



Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2012 inspection.

\*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\*Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

\*\*Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	4.46	Rating **	М	Issue No.	51 (cont)	
LM End	4.46	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroachments			38.3742	69°	38.374269 °
item				-121.549385 °		-121.549385 °
DWR ID DWR_RD0150_03_s _ 2012_51						
		Action/	Comme	nts		
Prunings						

Photo 4 of 4: FA\_2014\_RD0150\_17\_51\_20141021\_00046.jpg



Updated picture of the pruning pile on the landside of the levee looking upstream during the fall 2013 inspection.

LM Start	4.51	Rating **	С	Issue No.		52	
LM End	4.51	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	GPS Latitude/Longitude		
Calegory	legory			Start		End	
Item	Encroach	Encroachments			67 °	38.374267 °	
item				-121.548441 °		-121.548441 °	
DWR ID	DWR_RD0	150_03_s _ 201	12_52				
Action/Comments							
Tree or limb							

No Photos

LM Start	4.57	Rating **	М	Issue No.		80
LM End	4.57	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	e/Longitude	
Category				Start		End
Item	Erosion /	Bank Caving		38.3743	55 °	38.374355 °
item				-121.5474	36 °	-121.547436 °
DWR ID	DWR_RD0	150_03_s _ 201	4_80			
Action/Comments						
Schedule	repair of er	osion site pric	or to the	next inspec	tion.	



View of an erosion site on the waterside toe of the levee looking upstream.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated WS : Water Side C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	4.95	Rating **	М	Issue No.		65	
LM End	4.95	Issue Type +	Ma	Location *	CR		
Earthen Levee GPS Latitude/Li				le/Longitude			
Category	ory			Start		End	
Item		Crown Surface / Depressions /			33 °	38.377333	0
item	Rutting			Start	30 °	-121.541930	0
DWR ID DWR_RD0150_03_s _ 2013_65							
		Action/	'Commei	nts			

Add appropriate grave

rface / Depressions /	38.377333 ° 38.377 -121.541930 ° -121.541	
150_03_s _ 2013_65		
Action/Commer	nts	
el or road base. Grac	le and compact.	Updated view of the crown depression during spring 2014

spection.

Photo 1 of 2: FA\_2014\_RD0150\_17\_65\_20141021\_00063.jpg

LM Start	4.95	Rating **	М	Issue No.	65 (cont)
LM End	4.95	Issue Type +	Ma	Location *	CR



Crown depressions were found during spring 2013 inspection looking upstream.

LM Start	5.08	Rating **	М	Issue No.		36
LM End	5.08	Issue Type +	Ма	Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory				Start	End	
Item	Slope Stability			38.3787	71 °	38.378771 °
item				-121.5405	38 °	-121.540538 °
DWR ID	DWR_RD0	150_03_f _ 201	2_36			
Action/Comments						
Repair slope instability.						



Slope instability was found on the waterside of the levee looking upstream.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A: Not Applicable A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated WS : Water Side C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

5.22	Rating **	М	Issue No.		941	
5.22	Issue Type +	Ma	Location *	CR		
Earthen Levee GF			GPS La	tituc	de/Longitude	
					End	
	rface / Depres	38.3807	79 °	38.380779 °		
Rutting .		-121.54026	64 °	-121.540264 °		
DWR ID DWR_RD0150_03_s _ 2012_941						
	5.22 Earthen L Crown Su Rutting	5.22 Issue Type + Earthen Levee Crown Surface / Deprese Rutting	5.22 Issue Type + Ma Earthen Levee Crown Surface / Depressions / Rutting	5.22 Issue Type + Ma Location *  Earthen Levee GPS La Start  Crown Surface / Depressions / Rutting 38.38077 -121.54026	5.22 Issue Type + Ma Location *  Earthen Levee GPS Latitud Start  Crown Surface / Depressions / Rutting 38.380779 °  -121.540264 °	

Action/Comments

Repair depressions or ruts in the crown or slope. Inspector Comments: There is a significant difference in the crown roadway elevation as it transitions from the paved roadway to the gravel access road.



View of varying elevations in the crown of the levee at the transition from county road to access road.

LM Start	5.66	Rating **	N	Issue No.		68	
LM End	5.66	Issue Type +	Ma	Location *		WS	
Category	evee		GPS Latitude/Longitude				
Calegory	alogory					End	
Item	n Trees		38.3836	97 °	38.383697	٥	
-121.545201 ° -121.545201							٥
DWR ID DWR_RD0150_03_s _ 2012_68							
Action/Comments							

Tree stumps.



Tree stump was found on the waterside of the levee looking upstream.

LM Start	5.80	Rating **	N	Issue No.		41	
LM End	5.80	Issue Type +	Ma	Location *		WS	
Category	Category Earthen Levee				GPS Latitude/Longitude		
Category	ategory					End	
Item	Trim / Thin Trees			38.38396	9 °	38.383969	0
пеш		-121.54280	6°	-121.542806	0		
DWR ID DWR_RD0150_03_s _ 2012_41							
	Action/Comments						

Tree stumps.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	5.88	5.88 Rating ** M				28	
LM End	5.88	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
ltom	Vegetatio		38.38433	33 °	38.384333		
ltem -121.541310 ° -121.5						-121.541310 °	
DWR ID DWR_RD0150_03_s _ 2012_28							
Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.



Wild growth was found on the waterside slope of the levee looking upstream.

LM Start	5.93	Rating **	М	Issue No.		57	
LM End	5.93	Issue Type +	Ma	Location *		LS	
Category	evee		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Encroachments					38.384648	0
пеш	-121.540669 ° -121.540669						0
DWR ID DWR_RD0150_03_s _ 2012_57							
Action/Comments							

Tree or limb



View of a tree trunk lying on the landward slope blocking visibility.

LM Start	6.05	Rating **	М	Issue No.		33		
LM End	6.05	Issue Type +	Ma	Location *		WS		
Category	Category Earthen Levee					GPS Latitude/Longitude		
Category				Start		End		
Item	Trim / Thin Trees				1°	38.386351 °		
						-121.539828 °		
DWR ID DWR_RD0150_03_s _ 2012_33								
Action/Comments								

Thin trees to allow visibility of the ground and room to flood fight.



Tree trunks and vegetation was obstructing the visibility on the waterside slope of the levee looking downstream.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	6.06	Rating **	М	Issue No.		46		
LM End	6.06	Issue Type +	Ма	Location *		WS		
Catagony	Category Earthen Levee					GPS Latitude/Longitude		
Calegory				Start		End		
Item	Encroachments				22 °	38.386422	0	
item			-121.5398	61 °	-121.539861	0		
DWR ID DWR_RD0150_03_s _ 2012_46								
	Action/Comments							

Pipe

Inspector Comments: Improperly abandoned pipe through the levee.



View of an improperly abandoned pipe through the levee looking upstream.

LM Start	6.34	6.34 Rating ** N				49	
LM End	6.34 Issue Type + Ma		Location *		WS		
Category	Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Trim / Thi		38.3896	58 °	38.389658	٥	
пеш	-121.5415	18 °	-121.541518	٥			
DWR ID DWR_RD0150_03_s _ 2012_49							
Action/Comments							

Tree stumps.



View of tree stumps on the waterward slope.

LM Start	6.49	Rating **	М	Issue No.		62	
LM End	6.49	Issue Type +	Ma	Location *		WS	
Category	Category Earthen Levee				GPS Latitude/Longitude		
Category			Start		End		
Item	Trim / Thin Trees				5°	38.390935 °	
пеш			-121.53936	9°	-121.539369 °		
DWR ID DWR_RD0150_03_s _ 2012_62							
Action/Comments							

Trim and thin trees to allow visibility of the ground and room to flood fight.



Tree was blocking the visibility on the waterside of the levee looking upstream. This picture was taken during fall 2012 inspection.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	<b>6.49</b> Rating ** M			Issue No.		62 (cont)	
LM End	6.49	Issue Type +	Ма	Location * WS		WS	
Category	evee		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Trim / Thin Trees			38.39093	35 °	38.390935	0
item				-121.53936	69°	-121.539369	0
DWR ID DWR_RD0150_03_s _ 2012_62							
Action/Comments							

Trim and thin trees to allow visibility of the ground and room to flood fight.



Vegetation on the waterside of the levee looking downstream.

LM Start	6.61	М	Issue No.		43	
LM End	6.61	Issue Type +	Ma	Location *		WS
Category	evee		GPS Latitude/Longitude			
Calegory				Start		End
Item	Slope Stability			38.3921	72 °	38.392172 °
пеш			-121.5380	65 °	-121.538065 °	
DWR ID DWR_RD0150_03_f _ 2012_43						
Action/Comments						

Repair slope instability.



Slope instability was found on the waterside of the levee looking downstream.

Photo 1 of 1: FA\_2014\_RD0150\_17\_83\_20141104\_00126.jpg

LM Start	6.64	Rating **	М	Issue No.		83
LM End	6.64	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Encroach	ments	38.3925	80 °	38.392580 °	
пеш				-121.5380	59 °	-121.538059 °
DWR ID	DWR_RD0150_03_f _ 2014_83					
		Action/	Comme	nts		
Prunings						



Prunings were found on the landside toe of the levee looking upstream.

\* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

\*\* Rating
A : Acceptable
N : Not Inspected/Rated
M : Maintenance Deficiancy
Ob : Design & System Obsolescence
C : Corrected
U : Unacceptable
A/W : Acceptable but Monitor & Maintain
En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	7.02	Rating **	М	Issue No.		79	
LM End	7.02	Issue Type +	Ma	Location *		LS	
Catagony	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thi	Frim / Thin Trees		38.3966	98 °	38.396698	0
item				-121.5354	06 °	-121.535406	0
DWR ID	DWR_RD0	150_03_f _ 201	2_79				
		Action/	Comme	nts			

Thin trees to allow visibility of the ground and room to flood fight.

No Photos

LM Start	7.02	Rating **	М	Issue No.		61	
LM End	7.02	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Erosion /	Bank Caving	38.3966	55 °	38.396655 °		
пеш				-121.5354	85 °	-121.535485 °	
DWR ID DWR_RD0150_03_s _ 2012_61							
	Action/Comments						

Note and monitor erosion site.

LM Start	7.02	Rating **	М	Issue No.	61 (cont)
LM End	7.02	Issue Type +	Ma	Location *	WS

### Photo 1 of 4: FA\_2014\_RD0150\_17\_61\_20141021\_00056.jpg



Erosion was found on the waterside slope of the levee looking downstream. This updated picture was taken during fall 2012 inspection.

Photo 2 of 4 : FA\_2014\_RD0150\_17\_61\_20141021\_00057.jpg



Erosion on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	7.02	Rating **	М	Issue No.		61 (cont)	
LM End	7.02	Issue Type +	Ma	Location *	WS		
Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Item	Erosion /	Frosion / Bank Caving			55 °	38.396655 °	
item				-121.5354	85 °	-121.535485 °	
DWR ID	DWR_RD0	150_03_s _ 201	12_61				
		Action/	Comme	nts			
Note and monitor erosion site.							

Photo 3 of 4 : FA\_2014\_RD0150\_17\_61\_20141021\_00058.jpg



Erosion was found on the waterside of the levee looking downstream.

This picture was taken during fall 2011 inspection.

LM Start	7.02	Rating **	М	Issue No.	61 (cont)
LM End	7.02	Issue Type +	Ma	Location *	WS

Photo 4 of 4: FA\_2014\_RD0150\_17\_61\_20141021\_00055.jpg



Updated erosion site picture on the waterside slope of the levee looking upstream during spring 2011 inspection.

LM Start	7.50	Rating **	N	Issue No.	63	
LM End	7.50	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Item	Trim / Thin Trees			38.4027	79 °	38.402779
пеш					97 °	-121.538197 '
DWR ID	DWR_RD0	150_03_s _ 201	2_63			
		Action/	Comme	nts		
Tree stumps.						



View of a tree stump on the landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	7.60	Rating **	М	Issue No.		935
LM End	7.60	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroach	ments		38.4037	95 °	38.403795 °
пеш				-121.539205 °		-121.539205 °
DWR ID	DWR_RD0150_03_s _ 2012_935					
		Action/	Comme	nts		
Prunings						

Photo 1 of 3: FA_2014_RD0150_17_935_20141021_0010	1.jpg



Prunings located on the toe of landward side of the levee. The picture was taken from the crown looking upstream.

 LM Start
 7.60
 Rating \*\*
 M
 Issue No.
 935 (cont)

 LM End
 7.60
 Issue Type +
 Ma
 Location \*
 LS

Photo 2 of 3: FA\_2014\_RD0150\_17\_935\_20141021\_00102.jpg



Prunings were found on the landside of the levee looking upstream.

Photo 3 of 3: FA\_2014\_RD0150\_17\_935\_20141021\_00103.jpg

LM Start	7.60	Rating **	М	Issue No.	935 (cont)
LM End	7.60	Issue Type +	Ma	Location *	LS



Prunings were found on the landside of the levee looking upstream. This picture was taken during fall 2011 inspection.

\*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\*Rating

A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable CR : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain

\*\*Rating

A : Asceptable M : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

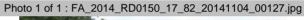
LM Start	8.16	Rating **	М	Issue No.		92		
LM End	8.16	Issue Type +	Ma	Location *	WS			
Category	Earthen L	GPS Latitude/Longitude						
Calegory	Category					End		
Item	Slope Sta	bility		38.4091	30°	38.409130	0	
item				-121.5399	71 °	-121.539971	0	
DWR ID	DWR ID DWR_RD0150_03_s _ 2014_92							
	Action/Comments							

Repair slope instability.



A slope instability was found on the waterside of the levee looking downstream.

LM Start	8.19	Rating **	М	Issue No.	82		
LM End	8.19	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category						End	
Item	Encroach	Encroachments			24 °	38.409224 °	
пеш				-121.539350 °		60° -121.539350°	
DWR ID	DWR_RD0	150_03_f _ 201	3_82				
		Action/	Comme	nts			
Prunings							





Prunings were found on the landside toe of the levee looking upstream.

LM Start	8.46	Rating **	М	Issue No.		66		
LM End	8.46	Issue Type +	Ma	Location *		WS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory	Calegory		Start		End			
Item	Erosion /	Bank Caving		38.4079	60 °	38.407960	0	
item				-121.534898 ° -12		-121.534898	0	
DWR ID DWR_RD0150_03_s _ 2012_66								
	Action/Comments							

Note and monitor erosion site.



Repair erosion on waterward slope near shoulder at LM 8.46.

\*Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected A/W: Acceptable but Monitor & Maintain

\*\* Rating

A: Acceptable M: Not Inspected/Rated M: Maintenance Deficiancy

Ob: Design & System Obsolescence

En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

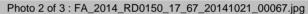
LM Start	8.48	Rating **	М	Issue No.		67	
LM End	8.48	Issue Type +	Ma	Location *	WS		
Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Erosion / Bank Caving			38.4079	58 °	38.407958	
пеш					-121.534583 °		
DWR ID	DWR_RD0	150_03_s _ 201	12_67				
		Action/	Comme	nts			
Note and monitor erosion site.							

Photo 1 of 3: FA\_2014\_RD0150\_17\_67\_20141021\_00066.jpg

Updated picture of the slope instability on the waterside shoulder looking upstream during spring 2014 inspection.

 LM Start
 8.48
 Rating \*\*
 M
 Issue No.
 67 (cont)

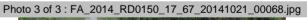
 LM End
 8.48
 Issue Type +
 Ma
 Location \*
 WS





Slope instability was found on the waterside shoulder of the levee looking upstream. This picture was taken during fall 2012 inspection.

LM Start	8.48	Rating **	М	Issue No.	67 (cont)
LM End	8.48	Issue Type +	Ma	Location *	WS





Slope instability on the waterside slope of the levee. The picture was taken from the crown looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

### Reclamation District No. 0150 Merrit Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	8.52	Rating **	М	Issue No.		89	
LM End	8.52	Issue Type +	Ма	Location *	Location *		
Catagori Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Animal Co	ontrol		38.4081	53 °	38.408153 °	
item				-121.53398	80 °	-121.533980 °	
DWR ID DWR_RD0150_03_s _ 2012_89							
	Action/Comments						

Exterminate rodents and backfill and compact or grout burrows.



Updated picture of a rodent hole on the waterside shoulder of the levee during fall 2014 inspection.

LM Start	8.52	Rating **	М	Issue No.	89 (cont)
LM End	8.52	Issue Type +	Ma	Location *	WS





View of the rodent hole on the waterside shoulder of the levee looking downstream during the fall 2013 inspection.

LM Start	8.62	Rating **	С	Issue No.		120
LM End	8.62	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atituc	le/Longitude
Calegory				Start	End	
Item	Animal Co	ontrol		38.4092	87 °	38.409287 °
пеш				-121.5327	18 °	-121.532718 °
DWR ID	DWR_RD0	150_03_f _ 201	3_120			
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						

No Photos

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	8.62 Rating ** N			Issue No.		90		
LM End	8.62	Issue Type +	Ma	Location *		LS		
Catagony	evee	GPS La	atitud	le/Longitude				
Calegory	Category					End		
ltom	Trim / Thi	n Trees		38.4092	20 °	38.409220 °		
item	Item				01 °	-121.532801 °		
DWR ID DWR_RD0150_03_s _ 2012_90								
Action/Comments								

Tree stumps.



A tree stump was found on the landside of the levee looking upstream.

LM Start	8.65	Rating **	N	N Issue No. 55		55	
LM End	8.65	Issue Type +	Ма	Location *	WS		
Category	GPS La	atitud	le/Longitude				
Calegory	Sategory					End	
Item	Trim / Thi	n Trees		38.409559 °		38.409559	0
пеш				-121.5323	56 °	-121.532356	0
DWR ID DWR_RD0150_03_s _ 2012_55							
Action/Comments							

Tree stumps.



A tree stump was found on the waterside of the levee looking upstream.

LM Start	8.87	Rating **	М	Issue No.		7	
LM End	8.87	Issue Type +	Ма	Location *	on * WS		
Catagoria Earthen Levee				GPS Latitude/Longitude			
Category	gory			Start		End	
Item	Encroach	Encroachments			93 °	38.411593 °	
item				-121.5291	43 °	-121.529143 °	
DWR ID	DWR_RD0	150_03_s _ 201	12_7				
		Action/	Comme	nts			
Debris						_	



Broken concrete pipe was left on the waterside slope of the levee. The picture was taken from the crown looking upstream.

\* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected M: M: Minimally Acceptable M: Acceptable

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

# **Reclamation District No. 0150 Merrit Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Elk Slough	Left	9.41	10/30/2014 10/30/2014	Pavel Kazi

LM Start	9.38	Rating **	N	Issue No.		59	
LM End	9.38	Issue Type +	Ма	Location *	WS		
Catagoria Earthen Levee				GPS La	atitud	le/Longitude	
Calegory	Category					End	
Item	Trim / Thin Trees			38.413268 °		38.413268	0
пеш				-121.5259	29 °	-121.525929	0
DWR ID	DWR_RD0	150_03_s _ 201	12_59				
Action/Comments							
Tree stum	ps.						

Photo 1 of 1 : FA\_2014\_RD0150\_17\_59\_20141021\_00053.jpg



A tree stump was found on the waterside of the levee looking upstream.

LM Start	9.51	Rating **	М	Issue No. 73			
LM End	9.51	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thi	n Trees		38.413169°		38.413169 °	
item				-121.5237	07 °	-121.523707 °	
DWR ID DWR_RD0150_03_s _ 2012_73							
	Action/Comments						

Trim and thin trees to allow visibility of the ground and room to flood fight.



Thin/trim trees to allow for visibility of top 20' of waterward slope at LM 9.51.